

Under the Paperwork Reduction act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**04772**  
**UTILITY**  
**PATENT APPLICATION**  
**TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR § 1.53(b))

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents

- \*Fee Transmittal Form (e.g., PTO/SB/17)  
(submit an original and a duplicate for fee processing)
- Applicant claims small entity status.  
See 37 CFR 1.27.
- Specification  
(preferred arrangement set forth below)
  - Descriptive title of the Invention
  - Cross References to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix or computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
- Drawing(s) (35 U.S.C. 113)
  - Informal
  - Formal
- Oath or Declaration
  - [Total Pages 90]
  - [Total Sheets 6]
  - [Total Pages 3]
- Application Data Sheet. See 37 CFR 1.76

18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

Continuation       Divisional       Continuation-in-part (CIP)      of prior application No: 10/457,935

Prior application information: Examiner: Unknown      Group / Art Unit: 2651

**For CONTINUATION or DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

<input type="checkbox"/> Customer Number:		OR	<input checked="" type="checkbox"/> Correspondence address below		
Name	Woodard, Emhardt, Moriarty, McNett & Henry LLP				
Address	Bank One Center/Tower 111 Monument Circle, Suite 3700				
City	Indianapolis	State	IN	Zip Code	46204-5137
Country	USA	Telephone	(317) 634-3456	Fax	(317) 637-7561
Name (Print/Type)	John J. Emanuele			Registration No. (Attorney/Agent)	51,653
Signature				Date	January 23, 2004

**Express Mail Label Number** EV394104570US**Date of Deposit** January 23, 2004

I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR Section 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

031356 U.S.PTO  
10/763697

04772

012304

WEMMH/SB/17 (12/03)

Approved for use through 10/31/2002. OMB 0651-0032  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# U.S. PTO FEE TRANSMITTAL FOR FY 2004

Effective 01/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

Total Amount of Payment (\$ 1,045.00)

## Complete if Known

Application Number	New
Filing Date	January 23, 2004
First Named Inventor	Han Ne
Group Art Unit	
Examiner Name	
Attorney Docket Number	7272-46

METHOD OF PAYMENT					FEE CALCULATION (continued)																																																																																																																																																																																																								
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money <input type="checkbox"/> Other Order <input type="checkbox"/> None					<b>3. ADDITIONAL FEES</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: left;">Large Entity</th> <th colspan="2" style="text-align: left;">Small Entity</th> <th rowspan="2" style="text-align: right; vertical-align: bottom;">Fee Description</th> <th rowspan="2" style="text-align: right; vertical-align: bottom;">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge – late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge – late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2,520</td><td>1812</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner's Action</td><td></td></tr> <tr><td>1805</td><td>1,840*</td><td>1805</td><td>1,840*</td><td>Requesting publication of SIR after Examiner's Action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>420</td><td>2252</td><td>210</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>950</td><td>2253</td><td>475</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1,480</td><td>2254</td><td>740</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>2,010</td><td>2255</td><td>1,005</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>330</td><td>2401</td><td>165</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>330</td><td>2402</td><td>165</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>290</td><td>2403</td><td>145</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1,510</td><td>1451</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive – unavoidable</td><td></td></tr> <tr><td>1453</td><td>1,330</td><td>2453</td><td>665</td><td>Petition to revive – unintentional</td><td></td></tr> <tr><td>1501</td><td>1,330</td><td>2501</td><td>665</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>1502</td><td>480</td><td>2502</td><td>240</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>640</td><td>2503</td><td>320</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>1809</td><td>770</td><td>2809</td><td>385</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>770</td><td>2810</td><td>385</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> <tr><td>1801</td><td>770</td><td>2801</td><td>385</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>1802</td><td>900</td><td>1802</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr> <td colspan="5" style="text-align: center;">Other Fee (specify)</td> <td style="text-align: right;">.....</td> </tr> <tr> <td colspan="5" style="text-align: center;">* Reduced by Basic Filing Fee Paid</td> <td style="text-align: right;">SUBTOTAL (3) (\$ )</td> </tr> <tr> <td colspan="5" style="text-align: center;">**or number previously paid, if greater; For Reissues, see above</td> <td style="text-align: right;">(\$ )</td> </tr> </tbody> </table>					Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge – late filing fee or oath		1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner's Action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner's Action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive – unavoidable		1453	1,330	2453	665	Petition to revive – unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Petitions related to provisional applications		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other Fee (specify)					.....	* Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ )	**or number previously paid, if greater; For Reissues, see above					(\$ )
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																																								
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																																										
1051	130	2051	65	Surcharge – late filing fee or oath																																																																																																																																																																																																									
1052	50	2052	25	Surcharge – late provisional filing fee or cover sheet.																																																																																																																																																																																																									
1053	130	1053	130	Non-English specification																																																																																																																																																																																																									
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																									
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner's Action																																																																																																																																																																																																									
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner's Action																																																																																																																																																																																																									
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																									
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																																									
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																																									
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																									
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																									
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																									
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																									
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																									
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																									
1452	110	2452	55	Petition to revive – unavoidable																																																																																																																																																																																																									
1453	1,330	2453	665	Petition to revive – unintentional																																																																																																																																																																																																									
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																																									
1502	480	2502	240	Design issue fee																																																																																																																																																																																																									
1503	640	2503	320	Plant issue fee																																																																																																																																																																																																									
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																									
1807	50	1807	50	Petitions related to provisional applications																																																																																																																																																																																																									
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																									
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																																									
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																									
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																									
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																									
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																									
Other Fee (specify)					.....																																																																																																																																																																																																								
* Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$ )																																																																																																																																																																																																								
**or number previously paid, if greater; For Reissues, see above					(\$ )																																																																																																																																																																																																								
SUBTOTAL (2) (\$ 660.00)																																																																																																																																																																																																													
SUBMITTED BY																																																																																																																																																																																																													
Name (Print/Type)		John J. Emanuele		Registration No. (Attorney/Agent)		51,653		Telephone (317) 634-3456																																																																																																																																																																																																					
Signature						Date		January 23, 2004																																																																																																																																																																																																					

WARNING: Information on this form may become public. Credit Card Information should not be included on this form. Provide credit card information and authorization on PTO-2038. This collection of information is required by 37 CFR 1.136(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.